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Revised 07/02/24

TASK ASSIGNMENT REQUEST

For Construction *OR* Commodities

(Please complete this form and submit with the corresponding documents)

Please review the contract before submitting this request. The Scope of Services must be addressed in the contract mentioned below. Task Assignments from continuing contracts must follow CCNA guidelines. If you need assistance, contact your Purchasing Analyst.

RSQ/Contract Number: ..... **19 - SQ – 157IF** Request Date: **1/24/25**

RSQ/Contract Title: ..... **Professional Architectual/Engineering Aviation Planning Services**

Project Name: ..... **Passenger Boarding Bridge Replacement (PBB) - DAB**

Company Name: ..... **RS&H**

Consultant Project Manager Name: **Brian Thompson**

Consultant Contact Phone Number: **904-256-2323**, ext. _____ **E-mail:** ..... **Brian.Thompson@rsandh.com**

Company Authorized Signer: **Craig Sucich** **E-mail:** ..... **craig.sucich@rsandh.com**

Company Attestor: **Cathy Scott** **E-mail:** ..... **cathy.scott@rsandh.com**

Consultant Fee: ..... **$ 393,422.00**

Reimbursable Fees for Consultant: ..... **$** _____

Total Task Assignment (Consultant *Fee + Reimbursable Fees)* ..... **$ 393,422.00**

NOTE: ***If the Total Fee(s) of all amendments equals $125,000 or more, County Council approval is required.***

Requesting Div. ..... **Airport**

Div. Project Manager: ..... **Erik Treudt**

Div. Project Manager Phone: ..... **386-248-8030**, ext. **18320**

Account No. for the Project: ..... **452 - 110 - 4024 - 6520**

Proposed Scope of Work Attached ..... ☒ Yes ..... ☐ No

Deliverables detailed in Proposal? ..... ☒ Yes ..... ☐ No

Construction Document to be produced? ..... ☐ Yes ..... ☒ No

If "Yes" to any of the following questions, then additional signatures are required below.

Is the Task Assignment for the design of a vertical construction? ☐ Yes ..... ☒ No *(Construction or renovation of a building)*

Is the Task Assignment for financial-related services? ..... ☐ Yes ..... ☒ No

Is the Task Assignment for design or installation of software? ... ☐ Yes ..... ☒ No

Signatures are ***REQUIRED*** before creation of RQS / submission to Purchasing & Contracts:

DocuSigned by: Erik Treudt 3EB9823A0283499... — 1/24/2025 | 09:46:14 EST
Project Manager — Date

Signed by: Karen Feaster 258A7D3D7312492... — 1/29/2025 | 04:47:4
Division Director — Date

Department Director's Approval of Budgetary/Financial Compliance *if greater than $15,000.00*:

Signed by: Cyrus Callum B5DD89A94D9449D... — 1/29/2025 | 09:42:0
Department Director — Date

If *this TA relates to software, then additional signature from I.T. is required:*

I.T. Division Director or Designee — Date

If *this TA relates to vertical construction, additional signature is required:*

Director of Management & Budget — Date

Once this COMPLETED, FULLY SIGNED ORIGINAL TASK ASSIGNMENT REQUEST is secured, you must create an RQS in CGI 3.11 and attach this Request and all other required documents.

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EXHIBIT A

RS&H

10748 Deerwood Park Blvd South
Jacksonville, FL 32256

O 904-256-2500
F 904-256-2501
rsandh.com

30 December 2024

Mr. Erik Treudt, AAE, IACE
Airport Manager - Projects and Maintenance
Daytona Beach International Airport (DAB)
Volusia County
700 Catalina Dr., Suite 300
Daytona Beach, FL 32114

RE: Project Proposal 14
DAB Passenger Boarding Bridge Replacement
RSQ No. 19-SQ-157IF, Professional Architectural/Engineering Aviation Planning Services

Dear Mr. Treudt
Per our discussions, please find attached our Project Proposal 14, v1.3, dated 30 December 2024. This project proposal provides for additional consulting engineering services to be provided under the above-referenced master agreement.

The proposed services are provided at the request of DAB to provide design, permitting, and bid phase support services for the replacement of six (6) passenger boarding bridges at Daytona Beach International Airport. It is anticipated that the passenger boarding bridges will be replaced in pairs in separate installation packages spanning multiple fiscal years. Per our discussion, this proposal includes an analysis of the existing and proposed gate locations.

This Project Proposal 14 is provided for your review, and if acceptable, for your authorization. We recognize that this work is time-critical to the Airport and we are prepared to immediately commence work upon authorization.

If you have any questions or comments, please don't hesitate to contact me.

Sincerely,

Brian Thompson, PE
Project Manager

cc: Rob Eschenbrenner, DAB

Docusign Envelope ID: AC5486A4-1E15-47C1-AE6F-11ACF3ADFF5E

EXHIBIT A

Design Passenger Boarding Bridge (PBB) Replacement - Scope of Work
Daytona Beach International Airport (DAB)

Version 1.3
December 30, 2024

Daytona Beach International Airport
County of Volusia
Daytona Beach, FL 32214

Under RSQ No. 19-SQ-157IF,
Professional Architectural/Engineering Aviation Planning Services
RS&H No.: X001.1878.014

Prepared by RS&H
at the direction of Daytona Beach
International Airport (DAB)

PROJECT DESCRIPTION

The primary objective of this project is to replace six Passenger Boarding Bridges (PBBs) on a one-for-one basis, with two bridges replaced each year over a three-year period, supporting three separate annual bids. The Airport Manager is also seeking procurement methods on sole source techniques with Oshkosh AeroTech that were recently approved with the ADO in Florida. A site visit and meeting occurred in September of 2024 which provided the following project information.

In September of 2024, in meetings at DAB, the Airport Operations team stipulated that the existing Passenger Boarding Bridges are 58-110 Jetway bridges and are approximately 30 years old. Gates 2-6 were refurbished and modernized around 2010-time range. Gate 1 remains with outdated DC inverter drive equipment and is no longer in use. The Jetway bridges have a consistent sill height from the concourse, but the top of footing varies between gates. The columns use a #7 bolt pattern, with 400Mhz bolt-on cabinets. Potable water and hose reels are provided at every gate location.

The Airport Operations team indicated that Gate 1 is impacted by the TSA egress stair which is within the swing range and resting position of the bridge location. A High Mast light on a pedestal is also within the swing range. The Airport Operations team shared expectations of replacement in pairs sequentially, over the next three years, as follows:

- In year one, replacement of Gates 1 and 4,
- In year two, replacement of Gates 5 and 2,
- In year three, replacement of Gates 3 and 6.

AERIAL PHOTO OF TERMINAL COMPLEX

This sequence minimizes impact to the existing airline operations at Gates 3 (American) and 6 (Delta). Alternate Gate replacement sequences may be considered at the direction of the Airport.

To reduce costs, the Operations team at DAB requested an evaluation of whether the existing footings, columns, and rotunda could be retained. However, this approach is complicated by the lack of historical records from DAB and any documentation from the current PBB vendor, Oshkosh AeroTech.

The Structural Engineers at RS&H determined that evaluating the existing foundation and pedestal for one location, then applying assumptions to the other five, would be impractical and carry significant liability for the airport and design team. As a result, RS&H recommends replacing the PBBs and foundations in their entirely at each of the six locations.

Prior to design and replacement of PBBs, a survey of existing pavement markings surrounding existing gates and modeling of existing gate parking positions. Models will be prepared using AviPlan in AutoCAD dwg format in accordance with DAB Digital Governance requirements. Once survey and gate models have been established, RS&H will coordinate with the Airport and designated Consultants to model various gate configurations. The gate model study will identify potential impacts on striping, boarding envelopes, and lead-in lines during PBB swing and resting positions. The study will investigate repositioning of PBBs to comply with updated ADA standards while accommodating potential terminal expansion opportunities and change in fleet mix. While it was initially anticipated that the terminal would accommodate ADG Group IV aircraft, the FAA has since downgraded the facility to support only ADG Group III aircraft. Per DAB, the ADG Group reduction will not alter the design model or change the PBB lengths instead opting for future flexibility and expected growth.

Insights will be gathered from the gate model study to determine the final location of the bridges or determine if relocation is necessary. Should relocation be required, it will fall outside the current scope and may result in additional fees. It is important to acknowledge that a future two-gate terminal expansion and FIS project within the CIP may influence final gate positions, though this is not part of the current scope of work. This program involves work that will affect airfield operations. Therefore, the Consultant shall prepare Construction Safety and Phasing Plans (CSPP) for Bid Packages 1b, 2, and 3. The Consultant shall assist the Airport with the submittal of required FAA Form 7460-1, Notice of Proposed Construction or Alteration.

A limited set of construction drawings, along with a project manual or specifications, will be needed to ensure accurate bidding. Passenger Boarding Bridge documentation for all six locations will be developed concurrently. Given the production timelines and associated costs, the delivery date for these documents may be deferred. Key milestones will include a 50% set for direction and review, followed by a 100% set for bidding and permitting purposes.

This program anticipates four (4) separate bid solicitations under this work program:

- Bid Package 1a: Passenger Boarding Bridge (PBB) Vendor Solicitation. The Airport will solicit proposals for the provision of up to 6 PBB units, deliverable in pairs, in three (annual) deliveries.
- Bid Package 1b: Installation of PBB 1 and 4.
- Bid Package 2: Installation of PBB 5 and 2.
- Bid Package 3: Installation of PBB 3 and 6.

***Note: The airport shall reserve the right to award Bid Package 2 and 3 concurrent with Bid Package 1b.*

All bid solicitations will be administered by Volusia County on behalf of the Airport. The Consultant shall provide bidding phase support to attend pre-bid conferences, respond to bidder requests for information (RFI's), and shall review the bids and provide recommendations for award.

This scope of services includes Design services, and services in support of permitting and bidding. If requested, Construction Administration services, and resident inspection services will be provided under a separate fee at the direction of the Airport.

From the project definition, the following in-house services provided by RS&H included this proposed scope of work involve Civil / Airfields Engineering, Structural Engineering, Architectural Professionals, Mechanical and Electrical Engineering, and Communications/Security Engineering.

1.0 PROJECT TASKS

Task 1.1 Site/Existing Conditions Assessment

The Consultant will schedule a site visit with our team (all disciplines) and the DAB Operations team to access and walk the facility, develop questions for the staff, survey the existing conditions, utilities support spaces and document with notes, photographs and sketches. During this visit the airport will provide the current fleet mix and operations for established the base condition to be modeled.

1.1.1 Documentation Research

Likely within the same visit, the Consultant will seek the support of the DAB staff to investigate the drawing records kept, both digitally and in print form for the existing conditions. Use of these to support the project forward is critical to ensure positioning of the PBB pedestals are consistent. Any records found to support the project scope will be requested.

Task 1.2 Gate Survey

The Consultant Team shall complete a topographical survey of the following elements:

- Jetway Door sill height of the Passenger Boarding Bridges at the connection to the terminal (x,y,z)
- Foundation of the Passenger Boarding Bridge Rotundas at the connection to the terminal (x,y,z)
- Aircraft Parking Envelopes (x,y,z) for each gate
- Aircraft Lead-In Lines and Nose Gear Stop Bar Locations (x,y,z) for each gate
- Vehicle Service Road (VSR) markings to the outer edge

- Aircraft Parking Envelopes for RON positions
- Extents of any trench Drain System
- Ground Service Equipment (GSE) designated parking
- All other fixed above ground assets such as bollards, barriers, utilities, drains, markings, etc.
- Pavement elevations
- Limits of any building overhangs, canopies, or structures.

All survey data will be collected in Florida State Plane coordinates and provided to DAB in PDF and AutoCAD Civil 3D format in accordance with DAB Digital Governance requirements. Survey Control will be established utilizing existing public benchmarks as well as project control for gate expansion projects.

The survey shall be coordinated with Airport Operations to minimize impacts to existing tenants based upon flight schedules and gate availability. It is understood this may require nighttime/weekend work to accommodate the project schedule. It is assumed that for the purposes of this proposal, no Airport escort will be required as the proposed survey team will be badged. Design surveys will be performed under subcontract by Sliger & Associates. The survey proposal and scope of services has been included in Attachment B. The proposed survey areas is shown in Figure 1 below.

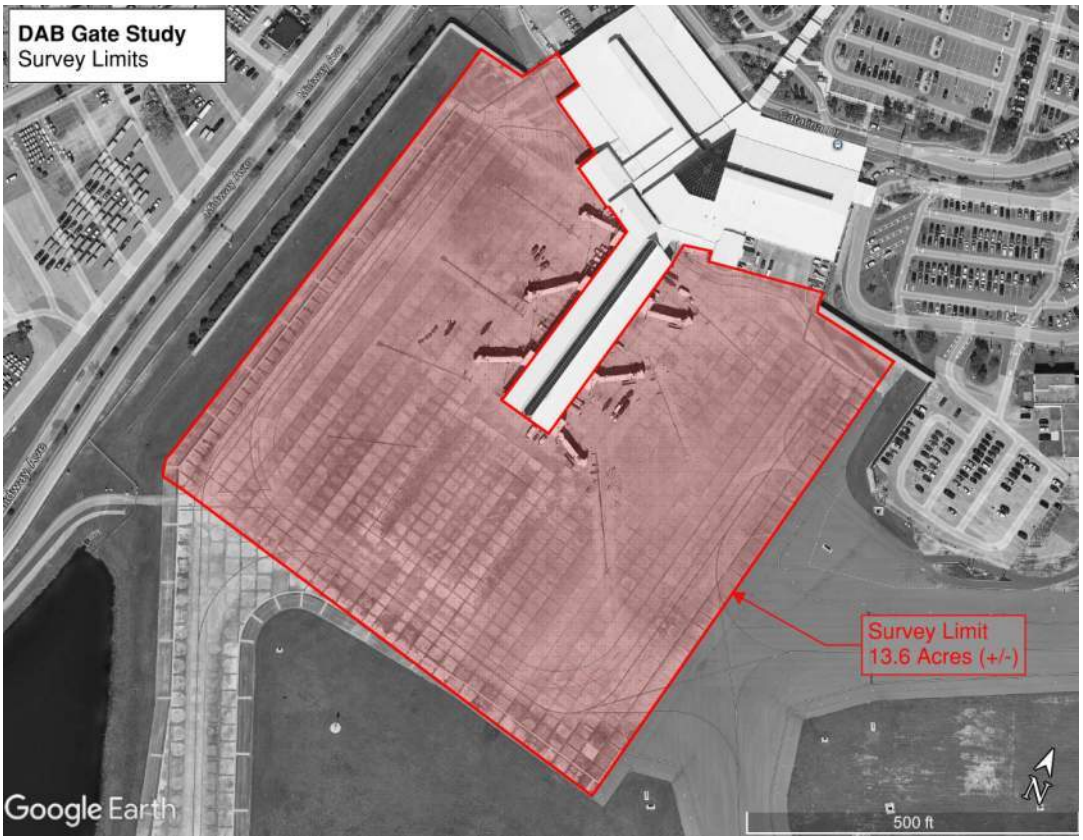

Figure 1: Survey Area

Task 1.3 Existing Gate Modeling

The Consultant shall establish existing gate models for all gates.

1.3.1 Existing Gate Modeling

The gate based upon the following information:

- Existing apron markings from Task 1.2 Gate Survey
- Existing bridge information provided by Airport; validated by the Consultant
  - This includes fixed sections, bollards, etc.
- Existing fleet mix based on markings and Airport provided fleet mix information per gate including aircraft and airline operators

1.3.2 Baseline Operational Charts

The Consultant will develop a baseline operational chart that identifies current gate capacity and operational restrictions at each gate. The intent of this exercise is to capture the current configuration and operational capacity of the apron. This chart will be used to coordinate alternative configurations for evaluation.

The Consultant will provide the deliverable to the Airport in PDF and AutoCAD .dwg format for configurations considered in accordance with DAB Digital Governance requirements.

Task 1.4 Alternative Gate Configuration Modeling

The Consultant shall develop configurations/layout concepts for gates, GSE areas, and RON positions based upon direction from Airport Management. The consultant will facilitate virtual meetings with Airport Management to confirm terminal expansion considerations and associated fleet mix for use in alternatives. The alternatives will reflect updated ADA standards for appropriate sizing and positioning of PBBs.

1.4.1 Layout Concepts

Eight (8) configurations/layout concepts for gates will be completed as part of this task. For purposes of this project, it is assumed that up to eight (88) fates will be shifted with each iteration.

1.4.2 Final Operational Charts

The Consultant will develop a final operation matrix to define operational capacity and restrictions for each configurations/layout concepts defined in this task. The Operational Chart will be created as a matrix that will develop and document the final program based on Task 1.2 and Task 1.3. This deliverable will present the Airport's plan for gate modeling, AviPlan gate operational report for each gate, and describe the conditions that will trigger re-evaluation of constraints. The Consultant will provide the deliverable to the Airport in an Excel and PDF format.

Task 1.5 Design Development – 50%

The objective is to develop design documentation to a 50% level for the coordination between architects and engineers providing gate locations for each of the six positions, schedule and phasing, demolition scope of the existing conditions. The documentation will also include DD level plans, elevations, and initial engineering documents.

1.5.1 Civil / Airfield Design Development and CSPP

Documentation of gate positions as a phased approach, demolition, striping implications, bridges swing paths, as well as three separate modifications to the CSPP over the three year period and initial coordination among all disciplines is included in the documentation of this phase. A geotechnical report will be required based upon the recommendation to replace all footings. An allowance of $12K is carried to enable the Consultant to hire a preferred sub-consultant.

1.5.2 Architecture Design Development

Architectural enlarged plans for each position, general bridge elevations, coordination of all features of the bridge and documentation thereof, including mating the bridges to the existing terminal, and re-flashing, waterproofing details as well as initial coordination among all disciplines is included in the documentation of this phase.

1.5.3 Structural Design Development

Documentation of standard notes, structural loading and uplift criteria and codes, and initial coordination of the foundation details and bolt configuration standards with the PBB manufacturer and initial coordination among all disciplines is included in the documentation of this phase.

1.5.4 Mechanical Design Development

Documentation of the PC Air systems with the manufacturer, evaluation of mechanical loads, and distribution systems and initial coordination among all disciplines is included in the documentation of this phase.

1.5.5 Plumbing Design Development

Review and analysis of the existing services of potable water, tie-in coordination with Civil and any miscellaneous requirements for condensate lines and initial coordination among all disciplines is included in the documentation of this phase.

1.5.6 Electrical Design Development

Documentation of the existing electrical services, the utilities supported by the 400mHz, evaluation of any emergency generator support and initial coordination among all disciplines is included in the documentation of this phase.

1.5.7 Security / COMM Design Development

Documentation of the existing security services, coordination with the Operations team and determination of specific equipment whether re-use or new. Each year of the construction, re-confirming that the airport access control systems are compatible and active through each pairing replacement. Initial coordination among all disciplines is included in the documentation of this phase.

1.5.8 Codes / Research and Spec Development

Coordination with the Manufacturer of features and review of the implications of the building codes will begin to form a basic specification review and include review and input among all disciplines.

1.5.9 Cost Estimating Kick-off

We will facilitate a virtual call for the team to kick-off the cost estimators and answer questions regarding features, delivery and looking at the implications and project escalation costs due to the unique nature of the project. There is no deliverable, but information determined will be shared with the client.

1.5.10 Design Development Virtual Review

One virtual presentation to DAB and stakeholders will be held at the conclusion of the Design Development Phase to ensure the design intent is followed through with any comments derived to be included moving forward.

The result of Task 1.5 is a 50% Design Development deliverable of Drawings and Specifications.

Task 1.6 Construction Documents – 100%

Performance of this Task will be based on the approved Design Development documents and shall provide the detailed requirements for construction of the Project. The documents will include Drawings and Specifications that establish, in detail sufficient for production of shop drawings and construction, the configuration and quality of the materials, components and systems required for the Project.

1.6.1 Civil / Airfield Construction Documentation and CSPP

Final designation of all paving impacted, dimensional locations of gate positions, fine grading, phased documents, demolition, striping implications, bridges swing paths, hold down detailing as well as (3) versions of a coordinated CSPP for the project duration. Final coordination among all disciplines is included in the documentation of this phase.

1.6.2 Architecture Construction Documentation

Final dimensional enlarged plans for each position having all utilities indicated and coordinated. Final equipment and finish selections, bridge elevations, coordination of all features of the bridge and documentation thereof. Final coordination among all disciplines is included in the documentation of this phase.

1.6.3 Structural Construction Documentation

Final structural documentation and notes, uplift criteria and codes, and coordination of the foundation details, pedestal and rotunda, bridge and bolt configuration with the PBB manufacturer. Final coordination among all disciplines is included in the documentation of this phase.

1.6.4 Mechanical Construction Documentation

Final documentation of all mechanical drawings, PC Air systems and compliance with codes. Final coordination among all disciplines is included in the documentation of this phase.

1.6.5 Plumbing Construction Documentation

Final documentation of all plumbing modifications within the scope of work. Final coordination among all disciplines is included in the documentation of this phase.

1.6.6 Electrical Construction Documentation

Final documentation of electrical services connection, coordination among all disciplines, lighting, and power to support the 400mHz. Final coordination among all disciplines is included in the documentation of this phase.

1.6.7 Security / COMM Construction Documentation

Final documentation of the new or re-used security devices, specified equipment and access control, and camera views. Final coordination among all disciplines is included in the documentation of this phase.

1.6.8 Permit Issue & County Review Conformed

Specification refinement and final coordination with PBB Manufacturer. Issuance of Permit set to Authority having jurisdiction and includes any changes or responses.

1.6.9 Cost Estimating Deliverable

The design team will provide a final cost estimate at the completion of the construction documentation, ensuring the project's costs align with the established budget approximately one week following the 100% deliverables.

1.6.10 Construction Documentation Virtual Review

One virtual presentation to DAB and stakeholders will be held at the conclusion of the Construction Documentation phase to and confirm all documented features and functions of the Bridge.

The result of Task 1.6 is a 100% Construction Document deliverable of conformed Drawings and Specifications ready for construction for all (6) bridge locations.

Task 1.7 Bidding Services

The services commencing after completion of the Construction Documents are anticipated to include assistance during bidding, pre-bid meeting and bid evaluation with each of the package deliverables over the course of (3) consecutive years. The Consultant will prepare an FAA Form 7460-1 for each of the bid packages or as required by the ADO.

1.7.1 Pre-Bid Conference

The Consultant Project manager will attend one scheduled Pre-Bid Conference for each of the (3) three packages (no pre-bid is anticipated for the vendor package 1a) and will provide a brief description of project scope and wall the project location with potential bidders.

1.7.2 Addenda

Answer questions and provide clarifications regarding bid documents by issuing addenda and distributing to bidders list.

1.7.3-1.7.6 Bid Packages (4)

Scheduling, resource allocation, and coordination of the team's efforts including assembly and coordination of all documentation during each bidding phase.

Task 1.8 Grant Application Support

The Consultant will oversee scheduling, resource allocation, coordination of tasks, monitoring, oversight of the quality control, direction and control for all aspects of the team's efforts including assembly and coordination of all documentation for the duration of the project.

Task 1.9 Project Management

The Consultant will oversee scheduling, resource allocation, coordination of tasks, monitoring, oversight of the quality control, direction and control for all aspects of the team's efforts including assembly and coordination of all documentation for the duration of the project.

The Consultant will issue monthly progress reports with each invoice to the Airport project manager during this portion of the project.

Task 1.10 Deliverables

The Consultant shall prepare and provide documents to support the solicitation of equipment supply and installation (construction) of proposed improvements in four (4) bid packages as previously described with (1) printed set per package and all submissions completed digitally. Deliverables will include a 50% and a 100% set of documents, sent digitally to the client and includes a 1 week review period for comment. Documents may include: plans, technical specifications, electronic bid forms (.xlsx format), CSPP, construction cost estimates, and project scheduling.

2.0 ASSUMPTIONS AND EXCLUSIONS:

Based upon expectations discussed with DAB staff, the following **assumptions** have been made for the design and specification of the Passenger Boarding Bridge Replacement Scope of Work:

- Each year of the anticipated 3-year project duration, provide support for the bidding of the PBB package. It is unknown currently, if that is one, two or three different bidders.
- The PBB must be compatible with the range of aircraft specific to the location of DAB.
- That the procurement of all (6) Passenger Boarding Bridges are through direct owner purchase in coordination with the County requirements.
- The PBB must be operationally efficient in terms of use during weather events and meet all ICAO and IATA standard for safety. This includes all emergency stop function, alarms and manual override features.
- All mounting brackets, hose brackets, handrails, and other exposed metal surfaces shall be primed and painted to match the color of the new passenger boarding bridge. Standard mounting color is zinc gray. Custom colors will incur additional cost.
- Cable Management System is to be replaced in kind in support of both PC Air and 400MHz units. There is no desire to use a Pantograph system.
- Telephone service provisions will be provided by the Bridge Manufacturer but connectivity will be the responsibility of the Design team to work with the Airport Information Technology specialists.

- Existing Potable water systems will be reused and are not a part of the scope of work. Tie-in's will be designed for the contractor to re-connect.
- If airlines have provided PCA Units on the existing bridges, that the responsibility lies with the airlines to remove and reinstall upon completion of the bridge replacement. If exhaust fans have been provided on bridges, that responsibility lies with the Consultant to document to salvage, replace and reinstall.
- The Airport has separately procured a sub-contractor to upsize the service and that the electrical requirements for 400MHz systems are installed at the time of this project, and all record documentation to MDF is included for the design team. If all contractual requirements, including power and metering are not satisfactorily installed an additional cost for service and design will be required.
- Electrical systems include Occupancy Sensors to turn off interior lights and fans when not in use.
- An Emergency Generator is not considered a part of this scope of work.
- Task lighting (2) shall be oriented to illuminate the apron area and sweep path one per side of the bridge.
- All PBB replacements shall be Regional Jet capable, with an adjustable cab floor to allow proper mating while preserving the ability to be used for wider bodied aircraft. This might include:
    - Floor flap adjustment for RJ doors
    - Fold out handrails with retractable stairs
    - Additional cushion on the PBB for contact mating to the aircraft fuselage.
- All minimum and maximum height ranges at each gate shall be confirmed with the Airport Operations team prior to manufacturing.
- Solid Rubber tires are included by the PBB manufacturer.
- LED Gate Identification Signage shall either be removed and reinstalled on the new bridges or purchased new with the project.
- Cameras shall either be removed and reinstalled on the new bridges or purchased new with the project.
- Baggage Slides shall either be removed and reinstalled on the new bridges or purchased new with the project.
- Airfield and Pavement marking modifications at the gate positions will be part of this scope of work and included in PBB installation package.
- Airfield hold down design details will be coordinated with the Bridge manufacturer. New design will be incorporated to revised paving areas as required.

The following items are **excluded** from this Scope of Work unless otherwise noted:

- The impact that the future FIS or two gate terminal expansion will have on Bridge location or replacement defined in this scope of work.
- Support of the FAA procurement process and any funding research with FAA.
- This scope does not include delivery, planning or logistics or site preparation. Coordination for these will between the installation contractor and DAB.

- All costs associated with construction testing will be by the selected contractor.
- Internal technology integration elements controlled by DAB systems is not included.
- Commissioning and third-party integrations is by the selected installation contractor.

3.0 PROPOSED SCHEDULE

The design and bidding schedule for the initial equipment purchase and equipment installation bidding will be negotiated between the Airport and the Consultant.

The Consultant understands that the Airport seeks to apply for funding under the FY25 BIL ATP competitive grant program. This program is expected to require completed bid documents, estimate of probable construction cost, and a grant application in July 2025. NTP for the start of this design program is expected not later than March 01, 2025.

Vendor and Contractor bidding phases will be as scheduled by the Airport and Volusia County.
At an agreed upon date, Volusia County will re-engage the A/E team to deliver package 2 and then the following year, package 3.

4.0 FEE

RS&H will provide the above referenced services for a Fixed Lump Sum Fee of **$393,422**. See Attachment A for a breakdown of costs.

5.0 ADDITIONAL SERVICES:

If parts of this proposal are separated or removed outside the scope identified in this document, additional refinement will incur additional fees. The Consultant will not proceed with additional services without written authorization of the Airport.

Docusign Envelope ID: AC5486A4-1E15-47C1-AE6F-11ACF3ADFF5E

EXHIBIT A

ATTACHMENT A

DAB Passenger Boarding Bridge Replacement (2/year x 3 years)

(7) Discipline services, including Civil/Airfield Engineering, Structural Engineering, Architectural Professionals, Mechanical/Plumbing, Electrical Engineers and COMM/Security engineers

12/30/2024
v1.3

Task	Description	Hours	Direct Labor
Task 1.1	Site/Existing Conditions Assessment	124	$22,147
Task 1.2	Gate Survey	16	$4,224
Task 1.3	Existing Gate Modeling	68	$15,874
Task 1.4	Alternative Gate Configuration Modeling	108	$24,835
Task 1.5	Design Development - 50%	347	$62,266
Task 1.6	Construction Documents - 100%	562	$100,719
Task 1.7	Bidding Services (4 packages)	466	$92,164
Task 1.8	Grant Application Support	40	$10,548
Task 1.9	Project Management	104	$30,007
	Subtotal RS&H Labor Hours	**1,835**	
	Subtotal RS&H Labor Fee		**$362,784**

SubConsultants and Expenses	
Topographic & Special Purpose Survey (Sliger & Associates)	$13,900
Geotechnical Consultant - Allowance	$12,000
Reprographics	$2,550
Mileage (10 trips - From JAX + 2 From ORL)	$1,188
Deliveries & Shipping, Transfer of Samples	$1,000
Subtotal Expenses	**$30,638**

Total Fee **$393,422**

EXHIBIT A

DAB Passenger Boarding Bridge Replacement (2/year x 3 years)

12/30/2024 **v1.3**

Per the scope, this fee is for the replacement of (6) PBBs, paired over a 3 year project duration				HOURS													
				Project Director	Sr Project Manager	Senior Architect	Architect	Planner	Sr Engineer (Civil)	Sr Engineer (Structural)	Sr Engineer (Mech/Plumb)	Sr Engineer (Elect)	Sr Engineer (Security COMM)	Engineer (5) Disciplines	Admin Asst	HOURS	TOTAL COST
Task 1.1	**Site/Existing Conditions Assessment**																
	1.1.1	*Documentation Research*				8	40	4	8	8	4	8	4	24	16	124	$22,147
																124	**$22,147**
Task 1.2	**Gate Survey**																
	1.2.1	*Gate Survey*			8			8								16	$4,224
	1.2.1	*Gate Survey (Subconsultant)*														-	$0
																16	**$4,224**
Task 1.3	**Existing Gate Modeling**																
	1.3.1	*Existing Gate Modeling*			4			36								40	$9,281
	1.3.1	*Baseline Operational Charts*			4			24								28	$6,593
																68	**$15,874**
Task 1.4	**Alternative Gate Configuration Modeling**																
	1.4.1	*Layout Concepts (8)*			4			40								44	$10,177
	1.4.1	*Final Operational Charts*			4			60								64	$14,658
																108	**$24,835**
Task 1.5	**Design Development - 50%**																
	1.5.1	*Airfield/Civil Design Development and CSPP*							24					60		84	$15,285
	1.5.2	*Architectural Design Development*				16	24									40	$6,862
	1.5.3	*Structural Design Development*								16				32		48	$8,603
	1.5.4	*Mechanical Design Development*									8			16		24	$4,148
	1.5.5	*Plumbing Design Development*									4			8		12	$2,074
	1.5.6	*Electrical Design Development*										8		16		24	$4,685
	1.5.7	*Security/COMM Design Development*										2	4	8	2	16	$3,168
	1.5.8	*Codes, Research and Spec Development*					16		4	4	4	4	4	16	24	76	$12,481
	1.5.9	*Cost Estimating Kick-off*				2	4		2	2	2	2	2		2	18	$3,866
	1.5.10	*Design Document Virtual Review*		1		2	2									5	$1,095
																347	**$62,266**
Task 1.6	**Construction Documents - 100%**																
	1.6.1	*Airfield/Civil Construction Documents and CSPP*							40					120		160	$28,419
	1.6.2	*Architectural Construction Documents*				16	40									56	$9,217
	1.6.3	*Structural Construction Documents*								32				60		92	$16,616
	1.6.4	*Mechanical Construction Documents*									16			32		48	$8,295
	1.6.5	*Plumbing Construction Documents*									8			16		24	$4,148
	1.6.6	*Electrical Construction Documents*										16		32		48	$9,371
	1.6.7	*Security/COMM Construction Documents*										4	8	16		28	$5,927
	1.6.8	*Permit Issue & County Review Conformed*				2	24		4	4	4	4	4	24	16	86	$14,434
	1.6.9	*Cost Estimating Deliverable*				8			1	1	1	1	1		2	15	$3,197
	1.6.10	*Construction Document Virtual Review*		1		2	2									5	$1,095
																562	**$100,719**

EXHIBIT A

DAB Passenger Boarding Bridge Replacement (2/year x 3 years)

12/30/2024 **v1.3**

Per the scope, this fee is for the replacement of (6) PBBs, paired over a 3 year project duration				HOURS													
				Project Director	Sr Project Manager	Senior Architect	Architect	Planner	Sr Engineer (Civil)	Sr Engineer (Structural)	Sr Engineer (Mech/Plumb)	Sr Engineer (Elect)	Sr Engineer (Security COMM)	Engineer (5) Disciplines	Admin Asst	HOURS	TOTAL COST
Task 1.7	**Bidding Services (4 packages)**																
	1.7.1	*Pre-Bid Conference*			16		8								8	32	$6,862
	1.7.2	*Addenda*			6	3	6		3	3	3	3	3	12	8	50	$9,902
	1.7.3	*Pkg 1a: Vendor Solicitation*			4	16	24		8	8	8	8	8	32	8	124	$24,233
	1.7.4	*Pkg 1b: Install 2 PBB, Year 1*			8	4	16		4	4	4	4	4	24	8	80	$15,285
	1.7.5	*Pkg 2: Install 2 PBB, Year 2*			8	4	16		8	8	8	8	8	24	8	100	$20,598
	1.7.6	*Pkg 3: Install 2 PBB, Year 3*			8	4	16		4	4	4	4	4	24	8	80	$15,285
																466	**$92,164**
Task 1.8	**Grant Application Support**																
	1.8	*Grant Support Specialist*			32										8	40	$10,548
																40	**$10,548**
Task 1.9	**Project Management**																
	1.9	*Project Management*			96										8	104	$30,007
																104	**$30,007**
	Task Total			**2**	**202**	**87**	**238**	**172**	**110**	**94**	**78**	**76**	**54**	**596**	**126**	**1,835**	**$362,784**
	Other Expenses																
	Topographic & Special Purpose Survey (Sliger & Associates)																$13,900
	Geotechnical Consultant - Allowance																$12,000
	Reprographics			Sheets	Cost	Count	Subtotal										
	Drawings			45	$2.50	12	$1,350										$1,350
	Specifications/Project Manuals			400	$0.25	12	$1,200										$1,200
				Miles													
	Mileage (10 trips - From JAX + 2 From ORL)			180	$0.55	12	$1,188										$1,188
	Deliveries & Shipping, Transfer of Samples						$1,000										$1,000
																SUBTOTAL OTHER EXPENSES	**$30,638**
																TOTAL FOR ALL TASKS (RS&H)	**$393,422**

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EXHIBIT A

"Celebrating 50 Years"

ATTACHMENT B

SLIGER & ASSOCIATES surveyors

December 23, 2024

Brian Thompson, P.E.
R S & H
10748 Deerwood Park Blvd South
Email: Brian.Thompson@rsandh.com
Phone: 904 256 2323
Delivered via email

Re: Proposal of Surveying and Mapping Service (PRO-0328) for Daytona Beach International Airport, Gate Study, Daytona Beach, Florida

Dear Mr. Thompson:

Sliger & Associates is pleased to submit our proposal for Surveying and Mapping Services for the above referenced project.

SCOPE OF SERVICES

Task: Prepare a Topographic Survey of Area Shown on Exhibit

Sliger staff will prepare the following:

- Prepare a Topographic Survey in NAD 83 FL East Horizontal System and NAVD 88 Vertical System that meets the Standards of Practice set forth by the Board of Professional Surveyors and Mappers in Chapter 5J-17 Administration code pursuant to section 472.027, Florida statutes.
- Vertical control will be transferred from the nearest existing public benchmarks as well as project control for gate expansion projects.
- Set site Benchmarks 2 Minimum with Coordinates and Elevations.
- Collect topographic data on a 50-foot grid, suitable for the creation of 1-foot contours.
- The survey will include:
- Jetway Door sill height of the Passenger Boarding Bridges at the connection to the terminal (x,y,z)
- Foundation of the Passenger Boarding Bridge Rotundas at the connection to the terminal (x,y,z)
- Aircraft Parking Envelopes (x,y,z) for each gate
- Aircraft Lead-In Lines and Nose Gear Stop Bar Locations (x,y,z) for each gate
- Vehicle Service Road (VSR) markings to the outer edge
- Aircraft Parking Envelopes for RON positions
- Extents of any trench Drain System
- Ground Service Equipment (GSE) designated parking
- All other fixed above ground assets such as bollards, barriers, utilities, drains, markings, etc.
- Pavement elevations
- Limits of any building overhangs, canopies, or structures.
- Create a CAD Surface model.
- The location and mapping of improvements and utilities will be limited to above ground visible evidence and mapping of subsurface features. Accessible underground utilities such as utility structures, inverts, pipe locations size and material will be located horizontally and vertically. Inaccessible underground utilities will be located horizontally if marked by utility owners and any above ground evidence and any as-builts and GIS maps supplied by the client.

The survey shall be coordinated with Airport Operations to minimize impacts to existing tenants based upon flight schedules and gate availability. It is understood this may require nighttime/weekend work to accommodate the project schedule. It is assumed that for the purposes of this proposal, no Airport escort will be required as the proposed survey team will be badged.

Task: Will be completed for a fixed fee: $13,900.00

Time frame for beginning the work is 2-3 weeks from signed proposal based on site access & conditions of the work area.

FEE FOR DELIVERABLES: Prints, Mylars CDs and shipping charges will be billed at our current rates. An AutoCAD 2021 digital file will also be available.

Any additional work will be performed at our standard hourly rates or negotiated at such time.

• Professional Land Surveyor	$155/hr
• Project Manager	$125/hr
• Field Survey Crew with Total Station	$155/hr
• CAD Technician	$110/hr
• Research	$ 60/hr

Hourly rates are subject to change without any notice.

TERMS OF CONTRACT

Sliger & Associate, Inc. (S&A) will invoice monthly in accordance with percent complete and Final Bill at the conclusion of the project. Payment will be due upon receipt of the invoice. If an invoice is not paid in full within sixty (60) days, S&A reserves the right to stop all work, record a lien as authorized by Florida's Construction Lien Law, and notify property owners if different from the Addressee. Any past due balances over thirty (30) days are subject to reasonable interest costs at the time of signature. It is understood that this agreement between S&A and the Addressee and payment is not contingent on payment from a third party. If it becomes necessary to seek collection the client is responsible for the cost of the collection including reasonable attorney's fees. Failure to make payment within said sixty (60) days shall release S&A from all claims which the Addressee may have, whether known or unknown at the time. The signer for the Addressee personally guarantees the amounts due under the agreement. In the event of a dispute the venue for the resolution of the dispute will be Volusia County, Florida.

We have included an acceptance block below. If this proposal is in accordance with your understanding of our agreement, an authorized agent of the firm accepting responsibility for payment should sign and return one copy of this proposal to execute the contract and expedite notice to proceed. S&A will begin work upon receipt of a signed copy; the agreement acts as A Notice of Commencement.

Thank you for considering Sliger & Associates. Should you have any questions regarding our approach to the project or wish to discuss the project in more detail, please do not hesitate to call.

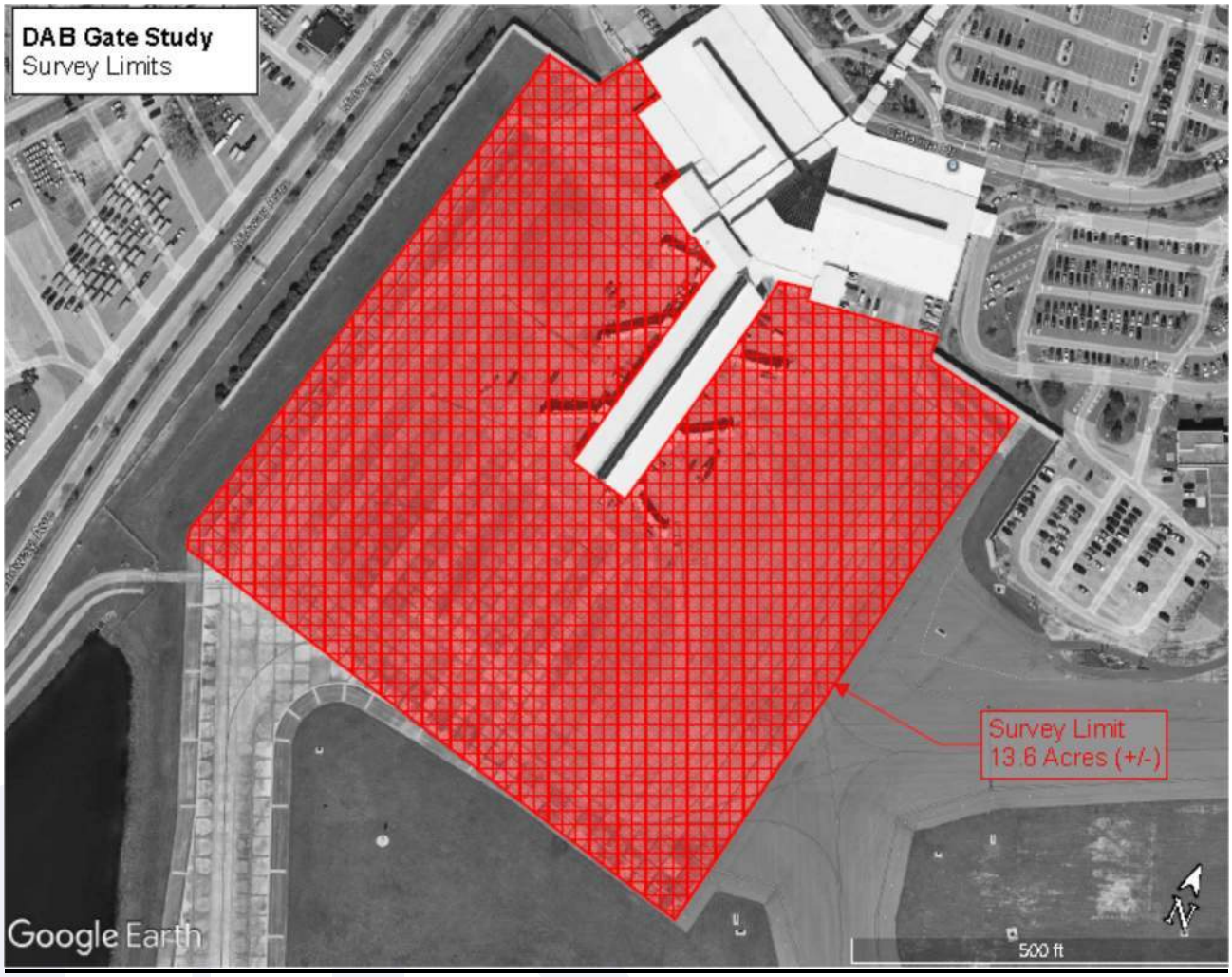
Sincerely,

_____
Chris Williams
Project Manager

By signing this proposal, I hereby acknowledge that I have read and accept the terms of this proposal individually and on behalf of the corporation.

_____	_____
Signature	Type/Print Name & Title
_____	_____
Date	Firm

EXHIBIT


DAB Gate Study
Survey Limits
Survey Limit
13.6 Acres (+/-)
Google Earth
500 ft
N

Certificate Of Completion

Envelope Id: AC5486A4-1E15-47C1-AE6F-11ACF3ADFF5E
Status: Completed
Subject: Complete with Docusign: TA Request Form Unsigned Passenger Boarding Bridge.docx, WO...
Source Envelope:
Document Pages: 20
Signatures: 3
Envelope Originator:
Certificate Pages: 5
Initials: 0
Inga Fegley
AutoNav: Enabled
119 W. Indiana Ave.
EnvelopeId Stamping: Enabled
DeLand, FL 32720
Time Zone: (UTC-05:00) Eastern Time (US & Canada)
IFegley@volusia.org
IP Address: 74.191.71.218

Record Tracking

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Location: DocuSign
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IFegley@volusia.org
Security Appliance Status: Connected
Pool: StateLocal
Storage Appliance Status: Connected
Pool: County of Volusia
Location: Docusign

Signer Events	Signature	Timestamp
Erik Treudt etreudt@flydab.com Security Level: Email, Account Authentication (None)	DocuSigned by: Erik Treudt 3EB9823A0283499... Signature Adoption: Pre-selected Style Using IP Address: 74.191.71.218	Sent: 1/24/2025 9:15:08 AM Viewed: 1/24/2025 9:15:36 AM Signed: 1/24/2025 9:46:14 AM
Electronic Record and Signature Disclosure: Accepted: 10/10/2022 2:31:48 PM ID: 2a7a9db0-e59c-448b-85e5-f273f8449f0c		
Karen Feaster kfeaster@flydab.com Chairman of the Board Security Level: Email, Account Authentication (None)	Signed by: Karen Feaster 258A7D3D7312492... Signature Adoption: Pre-selected Style Using IP Address: 166.137.115.24 Signed using mobile	Sent: 1/24/2025 9:46:16 AM Viewed: 1/29/2025 4:46:27 AM Signed: 1/29/2025 4:47:49 AM
Electronic Record and Signature Disclosure: Accepted: 1/29/2025 4:46:27 AM ID: eb837c0f-5ab1-4466-a299-c3e5e83cf5b9		
Cyrus Callum ccallum@volusia.org Security Level: Email, Account Authentication (None)	Signed by: Cyrus Callum B5DD89A94D0449D... Signature Adoption: Pre-selected Style Using IP Address: 74.191.71.218	Sent: 1/29/2025 4:47:52 AM Viewed: 1/29/2025 9:41:32 AM Signed: 1/29/2025 9:42:01 AM
Electronic Record and Signature Disclosure: Accepted: 1/29/2025 9:41:32 AM ID: 4b6505d4-e470-4164-9274-2555a95dec44		

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp
Rob Eschenbrenner reschenbrenner@flydab.com Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via Docusign	COPIED	Sent: 1/29/2025 9:42:02 AM Viewed: 1/29/2025 9:42:41 AM
Quinn Galen qgalen@flydab.com Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via Docusign	COPIED	Sent: 1/29/2025 9:42:03 AM Viewed: 1/30/2025 9:50:52 AM
Jalene Serwanski jserwanski@volusia.org Procurement Analyst II Volusia County Purchasing and Contracts Division Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via Docusign	COPIED	Sent: 1/29/2025 9:42:04 AM

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	1/24/2025 9:15:08 AM
Certified Delivered	Security Checked	1/29/2025 9:41:32 AM
Signing Complete	Security Checked	1/29/2025 9:42:01 AM
Completed	Security Checked	1/29/2025 9:42:04 AM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, County of Volusia (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

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At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a $0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact County of Volusia:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:
To contact us by phone call: 386-736-5922
To contact us by email send messages to: cbarber@volusia.org
To contact us by paper mail, please send correspondence to:
County of Volusia
119 W. Indiana Ave.
c/o Christine Barber
DeLand, FL 32720

To advise County of Volusia of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at cbarber@volusia.org and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from County of Volusia

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to cbarber@volusia.org and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with County of Volusia

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;

ii. send us an email to cbarber@volusia.org and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: https://support.docusign.com/guides/signer-guide-signing-system-requirements.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify County of Volusia as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by County of Volusia during the course of your relationship with County of Volusia.